

1 1. A process for recharging batteries which comprises:

2 (a) coupling a dynamo to the intermediate hub of a stationary bicycle, which bicycle also
3 has a front axle to which is mounted a front wheel, a front derailleur, and an interconnected crank
4 and set of pedals attached in conventional fashion, said front derailleur being operatively
5 connected to said intermediate hub;

6 said dynamo having a fixed wheel containing a series of spaced periphery mounted
7 magnets, and a rotatable wheel also having a similar series of periphery mounted magnets in
8 close proximity, said coupling being to the rotatable wheel,

9 whereby pedaling of the stationary bicycle causes the intermediate hub to rotate, and
10 simultaneously said dynamo's rotatable wheel to rotate and to produce a current,

11 (b) conducting said current to a battery charger having one or more batteries therein,

12 (c) charging the one or more batteries in said charger.

13 Please enter amended claim 4 as follows:

14 4. A bicycle pedal powered battery charging system for use during times when electrical power
15 is not being delivered which system comprises:

16 (a) a stationary bicycle comprising a seat for a rider, a front derailleur interconnected to
17 a crank and pedal set, said stationary bicycle also having a rear derailleur mounted on an
18 intermediate hub and having a front wheel,

19 (b) a dynamo comprising a housing having a fixed wheel, said fixed wheel having a series
20 of peripherally mounted spaced magnets; and said dynamo also having a rotatable wheel having
21 a similar set of periphery mounted spaced magnets, the two wheels being in close proximity and
22 the respective magnets facing each other, said rotatable wheel being mounted on a rear hub,

23 (c) means for operatively interconnecting said rear hub to said intermediate hub,

24 (d) a battery charge electrically connected to said dynamo.

25 Please enter amended claim 10 as follows,

26 10. A bicycle pedal powered battery charging system for use during times when electrical power
27 is not being delivered which system comprises:

28 (a) a stationary bicycle comprising a seat for a rider, a front derailleur interconnected to
29 a crank and pedal set, said stationary bicycle also having a rear derailleur mounted on an
30 intermediate hub and having a front wheel,

31 (b) a dynamo comprising a housing having a fixed wheel, said fixed wheel having a series
32 of peripherally mounted spaced magnets; and said dynamo also having a rotatable wheel having
33 a similar set of periphery mounted spaced magnets, the two wheels being in close proximity and

1 the respective magnets facing each other, said rotatable wheel being mounted on a rear hub,
2 (c) means for operatively interconnecting said rear hub to said intermediate hub,
3 (d) a battery charger electrically connected to said dynamo, wherein the means for
4 operatively interconnecting said rear hub to said intermediate hub is selected from the group
5 consisting of a chain and a belt, and
6 (e) a coaster clutch incorporated into the intermediate hub.

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